|                       |          | Exploring the E  | Extreme                                      |
|-----------------------|----------|------------------|--|
|                       |          | 2003 Mathem      |  |
|                       | A        | Academic Content | Standards                                    |
| Ohio Mathematics      |          |                  |  |
| Grade K               |          |                  |  |
| Activity/Lesson       | State    | Standards        |  |
|                       |          |                  |  |
| Finding the Center of |          |                  | Explain the need for standard units of       |
| Gravity Using Rulers  | ОН       | MA.K.2.A         | measure.                                     |
| Finding the Center of |          |                  |  |
| Gravity Using Rulers  |          | MA.K.6.E         | Explain to others how a problem was solved.  |
| Gravity Osing Ruleis  | OH       | IVIA.N.O.E       | Explain to others flow a problem was solved. |
|                       |          | Exploring the E  | Extreme                                      |
|                       |          | 2003 Mathem      |  |
|                       | <b>A</b> | Academic Content |  |
| Ohio Mathematics      |          |                  |  |
| Grade 1               |          |                  |  |
| Activity/Lesson       | State    | Standards        |  |
|                       |          |                  | Recognize and explain the need for fixed     |
| Finding the Center of |          |                  | units and tools for measuring length and     |
| Gravity Using Rulers  | ОН       | MA.1.2.A.1       | weight; e.g., rulers and balance scales.     |
| Finding the Center of |          |                  |  |
| Finding the Center of |          | MAAGE            | Explain to others how a problem was solved   |
| Gravity Using Rulers  | ОП       | MA.1.6.E         | Explain to others how a problem was solved.  |
|                       |          | Exploring the E  | Extreme                                      |
|                       |          | 2003 Mathem      |  |
|                       | Α        | Academic Content | Standards                                    |
| Ohio Mathematics      |          |                  |  |
| Grade 2               |          |                  |  |
| Activity/Lesson       | State    | Standards        |  |
|                       |          |                  |  |
| Finding the Center of |          |                  | Explain the need for standard units of       |
| Gravity Using Rulers  | ОН       | MA.2.2.A         | measure.                                     |
|                       |          |                  | Select and use appropriate measurement       |
|                       |          |                  | tools; e.g., a ruler to draw a segment 3     |
| Finalina de Cantan et |          |                  | inches long, a measuring cup to place 2      |
| Finding the Center of |          | MA 0 0 D 0       | cups of rice in a bowl, a scale to weigh 50  |
| Gravity Using Rulers  | ОН       | MA.2.2.D.6       | grams of candy.                              |
| Finding the Center of |          |                  |  |
| Gravity Using Rulers  |          | MA.2.6.E         | Explain to others how a problem was solved.  |
| ,                     |          |                  |  |
|                       | •        | Exploring the E  | Extreme                                      |
|                       |          | 2003 Mathem      |  |
|                       |          | Academic Content | Standards                                    |
| Ohio Mathematics      |          |                  |  |
| Grade 3               | 0        | <u> </u>         |  |
| Activity/Lesson       | State    | Standards        |  |

|  | I              |  | l lee enveniete meeer weneet toole and   |
|--|----------------|--|--|
|  |                |  | Use appropriate measurement tools and  |
|  |                |  | techniques to construct a figure or  |
|  |                |  | approximate an amount of specified length,   |
|  |                |  | weight or volume (capacity); e.g., construct a   |
|  |                |  | rectangle with length 2½ inches and width 3  |
| Finding the Center of  |                |  | inches, fill a measuring cup to the 3/4 cup  |
| Gravity Using Rulers   | OH             | MA.3.2.D.6   | mark.  |
|  |                |  | Use appropriate measurement tools and  |
|  |                |  | techniques to construct a figure or  |
|  |                |  | approximate an amount of specified length,   |
|  |                |  | weight or volume (capacity); e.g., construct a   |
| Finding the Center of  |                |  | rectangle with length 2½ inches and width 3  |
| Gravity Using Plumb  |                |  | inches, fill a measuring cup to the ¾ cup  |
| Lines  | он             | MA.3.2.D.6   | mark.  |
| LITICS   |                | W/A.O.Z.D.O  | Use appropriate measurement tools and  |
|  |                |  | techniques to construct a figure or  |
|  |                |  | approximate an amount of specified length,   |
|  |                |  | 1 1  |
|  |                |  | weight or volume (capacity); e.g., construct a   |
| Changing the Center  |                |  | rectangle with length 2½ inches and width 3  |
| of Gravity Using   |                |  | inches, fill a measuring cup to the ¾ cup  |
| Moment Arms  | ОН             | MA.3.2.D.6   | mark.  |
| Changing the Center  |                |  | Apply and justify the use of a variety of  |
| of Gravity Using   |                |  | problem-solving strategies; e.g., make an  |
| Moment Arms  | ОН             | MA.3.6.A   | organized list, guess and check.   |
|  |                |  |  |
|  | E              | xploring the Ex  |  |
|  |                | 2003 Mathema   |  |
|  | Acad           | emic Content S   | Standards  |
| Ohio Mathematics   |                |  |  |
|  |                |  |  |
| Grade 4  |                |  |  |
| Grade 4<br>Activity/Lesson   | State          | Standards  |  |
| Activity/Lesson  |                | Standards  | Read, interpret, discuss and write about   |
| Activity/Lesson Finding the Center of  |                |  | mathematical ideas and concepts using both   |
| Activity/Lesson Finding the Center of Gravity Using Rulers   | ОН             | Standards MA.4.6.J                                     |  |
| Activity/Lesson  Finding the Center of Gravity Using Rulers Finding the Center of  | ОН             |  | mathematical ideas and concepts using both   |
| Activity/Lesson  Finding the Center of Gravity Using Rulers  | ОН             |  | mathematical ideas and concepts using both   |
| Activity/Lesson  Finding the Center of Gravity Using Rulers Finding the Center of  | ОН             |  | mathematical ideas and concepts using both everyday and mathematical language.   |
| Activity/Lesson  Finding the Center of Gravity Using Rulers Finding the Center of Gravity Using Plumb  | ОН             | MA.4.6.J   | mathematical ideas and concepts using both everyday and mathematical language.  Represent and analyze patterns and   |
| Activity/Lesson  Finding the Center of Gravity Using Rulers Finding the Center of Gravity Using Plumb Lines  | ОН             | MA.4.6.J   | mathematical ideas and concepts using both everyday and mathematical language.  Represent and analyze patterns and   |
| Activity/Lesson  Finding the Center of Gravity Using Rulers Finding the Center of Gravity Using Plumb Lines Finding the Center of  | ОН             | MA.4.6.J   | mathematical ideas and concepts using both everyday and mathematical language.  Represent and analyze patterns and functions using words, tables and graphs.   |
| Activity/Lesson  Finding the Center of Gravity Using Rulers Finding the Center of Gravity Using Plumb Lines Finding the Center of Gravity Using Plumb  | ОН<br>ОН       | MA.4.6.J<br>MA.4.4.A.2                                 | mathematical ideas and concepts using both everyday and mathematical language.  Represent and analyze patterns and functions using words, tables and graphs.  Represent and analyze patterns and   |
| Activity/Lesson  Finding the Center of Gravity Using Rulers Finding the Center of Gravity Using Plumb Lines Finding the Center of Gravity Using Plumb Lines Finding the Center of Finding the Center of Center | ОН<br>ОН       | MA.4.6.J<br>MA.4.4.A.2                                 | mathematical ideas and concepts using both everyday and mathematical language.  Represent and analyze patterns and functions using words, tables and graphs.  Represent and analyze patterns and functions using words, tables and graphs.   |
| Activity/Lesson  Finding the Center of Gravity Using Rulers Finding the Center of Gravity Using Plumb Lines Finding the Center of Gravity Using Plumb Lines Finding the Center of Gravity Using Plumb Lines Finding the Center of Gravity Using Plumb  | ОН<br>ОН       | MA.4.6.J<br>MA.4.4.A.2<br>MA.4.4.D.2                   | mathematical ideas and concepts using both everyday and mathematical language.  Represent and analyze patterns and functions using words, tables and graphs.  Represent and analyze patterns and functions using words, tables and graphs.  Use rules and variables to describe patterns   |
| Activity/Lesson  Finding the Center of Gravity Using Rulers Finding the Center of Gravity Using Plumb Lines  | ОН<br>ОН<br>ОН | MA.4.6.J<br>MA.4.4.A.2                                 | mathematical ideas and concepts using both everyday and mathematical language.  Represent and analyze patterns and functions using words, tables and graphs.  Represent and analyze patterns and functions using words, tables and graphs.  Use rules and variables to describe patterns and other relationships.  |
| Activity/Lesson  Finding the Center of Gravity Using Rulers Finding the Center of Gravity Using Plumb Lines Finding the Center of  | ОН<br>ОН<br>ОН | MA.4.6.J<br>MA.4.4.A.2<br>MA.4.4.D.2                   | mathematical ideas and concepts using both everyday and mathematical language.  Represent and analyze patterns and functions using words, tables and graphs.  Represent and analyze patterns and functions using words, tables and graphs.  Use rules and variables to describe patterns and other relationships.  Read, interpret, discuss and write about  |
| Activity/Lesson  Finding the Center of Gravity Using Rulers Finding the Center of Gravity Using Plumb Lines Finding the Center of Gravity Using Plumb  | ОН<br>ОН<br>ОН | MA.4.6.J  MA.4.4.A.2  MA.4.4.D.2  MA.4.4.E.4           | mathematical ideas and concepts using both everyday and mathematical language.  Represent and analyze patterns and functions using words, tables and graphs.  Represent and analyze patterns and functions using words, tables and graphs.  Use rules and variables to describe patterns and other relationships.  Read, interpret, discuss and write about mathematical ideas and concepts using both   |
| Activity/Lesson  Finding the Center of Gravity Using Rulers Finding the Center of Gravity Using Plumb Lines  | ОН<br>ОН<br>ОН | MA.4.6.J<br>MA.4.4.A.2<br>MA.4.4.D.2                   | mathematical ideas and concepts using both everyday and mathematical language.  Represent and analyze patterns and functions using words, tables and graphs.  Represent and analyze patterns and functions using words, tables and graphs.  Use rules and variables to describe patterns and other relationships.  Read, interpret, discuss and write about mathematical ideas and concepts using both everyday and mathematical language.   |
| Activity/Lesson  Finding the Center of Gravity Using Rulers Finding the Center of Gravity Using Plumb Lines Changing the Center  | ОН<br>ОН<br>ОН | MA.4.4.A.2<br>MA.4.4.D.2<br>MA.4.4.E.4                 | mathematical ideas and concepts using both everyday and mathematical language.  Represent and analyze patterns and functions using words, tables and graphs.  Represent and analyze patterns and functions using words, tables and graphs.  Use rules and variables to describe patterns and other relationships.  Read, interpret, discuss and write about mathematical ideas and concepts using both everyday and mathematical language.  Apply and justify the use of a variety of  |
| Activity/Lesson  Finding the Center of Gravity Using Rulers Finding the Center of Gravity Using Plumb Lines Changing the Center of Gravity Using Plumb Lines Changing the Center of Gravity Using  | ОН<br>ОН<br>ОН | MA.4.6.J  MA.4.4.A.2  MA.4.4.D.2  MA.4.4.E.4  MA.4.6.J | mathematical ideas and concepts using both everyday and mathematical language.  Represent and analyze patterns and functions using words, tables and graphs.  Represent and analyze patterns and functions using words, tables and graphs.  Use rules and variables to describe patterns and other relationships.  Read, interpret, discuss and write about mathematical ideas and concepts using both everyday and mathematical language.  Apply and justify the use of a variety of problem-solving strategies; e.g., make an  |
| Activity/Lesson  Finding the Center of Gravity Using Rulers Finding the Center of Gravity Using Plumb Lines Changing the Center of Gravity Using Plumb Lines Changing the Center of Gravity Using Moment Arms  | ОН<br>ОН<br>ОН | MA.4.4.A.2<br>MA.4.4.D.2<br>MA.4.4.E.4                 | mathematical ideas and concepts using both everyday and mathematical language.  Represent and analyze patterns and functions using words, tables and graphs.  Represent and analyze patterns and functions using words, tables and graphs.  Use rules and variables to describe patterns and other relationships.  Read, interpret, discuss and write about mathematical ideas and concepts using both everyday and mathematical language.  Apply and justify the use of a variety of problem-solving strategies; e.g., make an organized list, guess and check.   |
| Activity/Lesson  Finding the Center of Gravity Using Rulers Finding the Center of Gravity Using Plumb Lines Changing the Center of Gravity Using Plumb Lines Changing the Center of Gravity Using Moment Arms Changing the Center  | ОН<br>ОН<br>ОН | MA.4.6.J  MA.4.4.A.2  MA.4.4.D.2  MA.4.4.E.4  MA.4.6.J | mathematical ideas and concepts using both everyday and mathematical language.  Represent and analyze patterns and functions using words, tables and graphs.  Represent and analyze patterns and functions using words, tables and graphs.  Use rules and variables to describe patterns and other relationships.  Read, interpret, discuss and write about mathematical ideas and concepts using both everyday and mathematical language.  Apply and justify the use of a variety of problem-solving strategies; e.g., make an organized list, guess and check.  Read, interpret, discuss and write about |
| Activity/Lesson  Finding the Center of Gravity Using Rulers Finding the Center of Gravity Using Plumb Lines Changing the Center of Gravity Using Plumb Lines Changing the Center of Gravity Using Moment Arms  | ОН<br>ОН<br>ОН | MA.4.6.J  MA.4.4.A.2  MA.4.4.D.2  MA.4.4.E.4  MA.4.6.J | mathematical ideas and concepts using both everyday and mathematical language.  Represent and analyze patterns and functions using words, tables and graphs.  Represent and analyze patterns and functions using words, tables and graphs.  Use rules and variables to describe patterns and other relationships.  Read, interpret, discuss and write about mathematical ideas and concepts using both everyday and mathematical language.  Apply and justify the use of a variety of problem-solving strategies; e.g., make an organized list, guess and check.   |

|                    | T     |                  |  |
|--------------------|-------|------------------|--|
|                    |       | Exploring the E  | Extreme  |
|                    |       | 2003 Mathem      |  |
|                    |       | Academic Content |  |
| Ohio Mathematics   |       |                  |  |
| Grade 5            |       |                  |  |
| Activity/Lesson    | State | Standards        |  |
| •                  |       |                  | Describe how the quantitative change in a  |
|                    |       |                  | variable affects the value of a related  |
|                    |       |                  | variable; e.g., describe how the rate of   |
|                    |       |                  | growth varies over time, based upon data in  |
| Jet Propulsion     | ОН    | MA.5.4.L.6       | a table or graph.  |
|                    |       |                  | Communicate mathematical thinking to   |
|                    |       |                  | others and analyze the mathematical  |
| Jet Propulsion     | ОН    | MA.5.6.J         | thinking and strategies of others.   |
|                    |       |                  |  |
|                    |       |                  | Use benchmark angles (e.g., 45°, 90°, 120°)  |
|                    |       |                  | to estimate the measure of angles, and use   |
| Vectoring          | ОН    | MA.5.2.C.7       | a tool to measure and draw angles.   |
|                    |       |                  | Model problems with physical materials and   |
|                    |       |                  | visual representations, and use models,  |
| Martada            |       |                  | graphs and tables to draw conclusions and  |
| Vectoring          | ОН    | MA.5.4.F.5       | make predictions.  |
|                    |       |                  | Model problems with physical materials and   |
|                    |       |                  | visual representations, and use models,  |
| Vactoring          | OH    | MAEAKE           | graphs and tables to draw conclusions and  |
| Vectoring          | ОН    | MA.5.4.K.5       | make predictions.  |
|                    |       |                  | Evaluate conjectures and predictions based upon data presented in tables and graphs, |
|                    |       |                  | and identify misuses of statistical data and   |
| Vectoring          | ОН    | MA.5.5.G         | displays.  |
| Vectoring          | 011   | IVIA.J.J.G       | Use representations to organize and  |
|                    |       |                  | communicate mathematical thinking and  |
| Vectoring          | ОН    | MA.5.6.H         | problem solutions.   |
| Vocioning          | 011   | 1717 (.0.0.11    | Communicate mathematical thinking to   |
|                    |       |                  | others and analyze the mathematical  |
| Vectoring          | ОН    | MA.5.6.J         | thinking and strategies of others.   |
| Center of Gravity, |       |                  | Identify and generate equivalent forms of  |
| Pitch, Yaw         | ОН    | MA.5.1.B.3       | fractions, decimals and percents.  |
|                    |       |                  | ,  |
|                    |       | Exploring the E  | Extreme  |
|                    |       | 2003 Mathem      | natics   |
|                    |       | Academic Content | Standards  |
| Ohio Mathematics   |       |                  |  |
| Grade 6            |       |                  |  |
| Activity/Lesson    | State | Standards        |  |
|                    |       |                  | Use representations to organize and  |
|                    |       |                  | communicate mathematical thinking and  |
| Jet Propulsion     | ОН    | MA.6.6.H         | problem solutions.   |
|                    |       |                  | Communicate mathematical thinking to   |
| Lat Dua - Late     |       | B44 0 0 1        | others and analyze the mathematical  |
| Jet Propulsion     | ОН    | MA.6.6.J         | thinking and strategies of others.   |

|                           |       |                      | Use representations to organize and                                       |
|---------------------------|-------|----------------------|---|
|                           |       |                      | communicate mathematical thinking and                                     |
| Vectoring                 | ОН    | MA.6.6.H             | problem solutions.  |
|                           |       |                      | Communicate mathematical thinking to                                      |
|                           |       |                      | others and analyze the mathematical                                       |
| Vectoring                 | ОН    | MA.6.6.J             | thinking and strategies of others.  |
|                           |       |                      | Perform fraction and decimal computations                                 |
|                           |       |                      | and justify their solutions; e.g., using                                  |
| Center of Gravity,        |       |                      | manipulatives, diagrams, mathematical                                     |
| Pitch, Yaw                | ОН    | MA.6.1.I.11          | reasoning.  |
|                           |       |                      | Produce and interpret graphs that represent                               |
| Fuel Efficiency           | ОН    | MA.6.4.C.5           | the relationship between two variables.                                   |
| ruei Efficiency           | OH    | IVIA.0.4.C.3         | the relationship between two variables.                                   |
|                           |       |                      | Produce and interpret graphs that represent                               |
| Fuel Efficiency           | ОН    | MA.6.4.K.5           | the relationship between two variables.                                   |
|                           | -     |                      | Compare representations of the same data                                  |
|                           |       |                      | in different types of graphs, such as a bar                               |
| Fuel Efficiency           | ОН    | MA.6.5.D.3           | graph and circle graph.   |
| Fuel Efficiency           | OH    | MA.6.5.G.6           | Make legical informace from statistical data                              |
| Fuel Efficiency           | OH    | WA.6.5.G.6           | Make logical inferences from statistical data.                            |
|                           |       | Exploring the E      | xtreme  |
|                           |       | 2003 Mathem          |   |
|                           | Aca   | demic Content        | Standards   |
| Ohio Mathematics          |       |                      |   |
| Grade 7                   | 04-4- | Otan danda           |   |
| Activity/Lesson           | State | Standards            | Lies representations to ergenize and                                      |
|                           |       |                      | Use representations to organize and communicate mathematical thinking and |
| Jet Propulsion            | ОН    | MA.7.6.H             | problem solutions.  |
| Jet i Topulsion           | 011   | IVIA.7.0.11          | Communicate mathematical thinking to                                      |
|                           |       |                      | others and analyze the mathematical                                       |
| Jet Propulsion            | ОН    | MA.7.6.J             | thinking and strategies of others.  |
| 231.1004101011            | 1     |                      | Evaluate interpretations and conclusions as                               |
|                           |       |                      | additional data are collected, modify                                     |
|                           |       |                      | conclusions and predictions, and justify new                              |
| Vectoring                 | ОН    | MA.7.5.C             | findings.   |
|                           |       |                      | Make predictions based on theoretical                                     |
|                           |       |                      | probabilities, design and conduct an                                      |
|                           |       |                      | experiment to test the predictions, compare                               |
|                           |       |                      | actual results to predicted results, and                                  |
| Vectoring                 | ОН    | MA.7.5.K.8           | explain differences.  |
|                           |       |                      | Use representations to organize and                                       |
| <u> </u>                  |       |                      | communicate mathematical thinking and                                     |
| Vectoring                 | ОН    | MA.7.6.H             | problem solutions.  |
|                           |       |                      | Communicate mathematical thinking to                                      |
| l                         |       | į.                   | Lothers and analyze the mathematical                                      |
| l., , .                   |       |                      | others and analyze the mathematical                                       |
| Vectoring                 | ОН    | MA.7.6.J             | thinking and strategies of others.  |
| Vectoring Fuel Efficiency | ОН    | MA.7.6.J<br>MA.7.1.F |   |

|                                  | 1        |                  | Represent and analyze patterns, rules and  |
|----------------------------------|----------|------------------|--|
|                                  |          |                  | functions with words, tables, graphs and   |
| Fuel Efficiency                  | ОН       | MA.7.4.B.1       | simple variable expressions.   |
| Fuel Efficiency                  | OH       | IVIA.7.4.D.1     | Represent and analyze patterns, rules and  |
|                                  |          |                  | functions with words, tables, graphs and   |
| Fuel Efficiency                  | ОП       | MA 7 4 C 4       | , , , ,  |
| Fuel Efficiency                  | OH<br>OH | MA.7.4.G.1       | simple variable expressions.   |
| Fuel Efficiency                  | OH       | MA.7.4.J.8       | Use formulas in problem-solving situations.  |
|                                  |          | Exploring the E  | Extreme  |
|                                  |          | 2003 Mathem      |  |
|                                  |          | Academic Content | Standards  |
| Ohio Mathematics                 |          |                  |  |
| Grade 8                          | Ctata    | Otan danda       |  |
| Activity/Lesson                  | State    | Standards        | Locate and interpret mathematical  |
|                                  |          |                  | Locate and interpret mathematical  |
|                                  |          |                  | information accurately, and communicate  |
| lat Duantilaian                  |          | NAA 0 0 1 1      | ideas, processes and solutions in a complete   |
| Jet Propulsion                   | ОН       | MA.8.6.H         | and easily understood manner.  |
| \/a ata rin a                    |          | MA 0.C.C         | Write clearly and coherently about   |
| Vectoring                        | ОН       | MA.8.6.G         | mathematical thinking and ideas.  Locate and interpret mathematical                      |
|                                  |          |                  | information accurately, and communicate  |
|                                  |          |                  | ideas, processes and solutions in a complete   |
| Vectoring                        | ОН       | MA.8.6.H         |  |
| Vectoring                        | ОП       | IVIA.0.0.П       | and easily understood manner.  Determine when an estimate is sufficient and              |
|                                  |          |                  |  |
|                                  |          |                  | when an exact answer is needed in problem situations, and evaluate estimates in relation |
| Contar of Cravity                |          |                  |  |
| Center of Gravity,<br>Pitch, Yaw | ОН       | MA.8.1.G.5       | to actual answers; e.g., very close, less than, greater than.                            |
| FILCH, Taw                       | OH       | IVIA.0.1.G.5     | Estimate, compute and solve problems   |
|                                  |          |                  | involving rational numbers, including ratio,   |
| Center of Gravity,               |          |                  | proportion and percent, and judge the  |
| Pitch, Yaw                       | ОН       | MA.8.1.G.6       | reasonableness of solutions.   |
| i itori, raw                     | 011      | IVIA.0.1.0.0     | Determine when an estimate is sufficient and   |
|                                  |          |                  | when an exact answer is needed in problem  |
|                                  |          |                  | situations, and evaluate estimates in relation   |
|                                  |          |                  | to actual answers; e.g., very close, less than,  |
| Fuel Efficiency                  | ОН       | MA.8.1.G.5       | greater than.  |
| 1 doi Emoioney                   | 011      | 1707 1.0.11.0.0  | Estimate, compute and solve problems   |
|                                  |          |                  | involving rational numbers, including ratio,   |
|                                  |          |                  | proportion and percent, and judge the  |
| Fuel Efficiency                  | ОН       | MA.8.1.G.6       | reasonableness of solutions.   |
| r doi Emeleney                   |          | 100 11010        | Todochabionoso or colditorio.  |
|                                  |          |                  | Solve and determine the reasonableness of  |
|                                  |          |                  | the results for problems involving rates and   |
|                                  |          |                  | derived measurements, such as velocity and   |
| Fuel Efficiency                  | ОН       | MA.8.2.A.6       | density, using formulas, models and graphs.  |
|                                  | -        |                  | y, 12 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2  |
|                                  |          |                  | Solve and determine the reasonableness of  |
|                                  |          |                  | the results for problems involving rates and   |
| 1                                |          |                  | derived measurements, such as velocity and   |
| Fuel Efficiency                  | ОН       | MA.8.2.F.6       | density, using formulas, models and graphs.  |

|                 |    |            | Use symbolic algebra (equations and           |
|-----------------|----|------------|---|
|                 |    |            | inequalities), graphs and tables to represent |
| Fuel Efficiency | ОН | MA.8.4.D.7 | situations and solve problems.                |
|                 |    |            | Write, simplify and evaluate algebraic        |
|                 |    |            | expressions (including formulas) to           |
| Fuel Efficiency | ОН | MA.8.4.D.8 | generalize situations and solve problems.     |
|                 |    |            | Use symbolic algebra (equations and           |
|                 |    |            | inequalities), graphs and tables to represent |
| Fuel Efficiency | ОН | MA.8.4.F.7 | situations and solve problems.                |
|                 |    |            | Use, create and interpret scatterplots and    |
| Fuel Efficiency | ОН | MA.8.5.A.1 | other types of graphs as appropriate.         |